

27. Jain S, Kamimoto L, Bramley AM, Schmitz AM, Benoit SR, Louie J, et al. 2009 Pandemic Influenza A (H1N1) Virus Hospitalizations Investigation Team. Hospitalized patients with 2009 H1N1 influenza in the United States, April–June 2009. *N Engl J Med.* 2009;361:1935–44. doi:10.1056/NEJMoa0906695
28. Grainger SB, Gubareva L, Kamimoto L, Doshi S, Vandermeer M, Louie J, et al. Characteristics of patients with oseltamivir-resistant pandemic (H1N1) 2009. United States. *Emerg Infect Dis.* 2011;17:255–7.
29. Tramontana AR, George B, Hurt AC, Doyle JS, Langan K, Reid AB, et al. Oseltamivir resistance in adult oncology and hematology patients infected with pandemic (H1N1) 2009 virus, Australia. *Emerg Infect Dis.* 2010;16:1068–75. doi:10.3201/eid1607.091691
30. Hurt AC, Deng YM, Ernest J, Caldwell N, Leang L, Iannello P, et al. Oseltamivir-resistant influenza viruses circulating during the first year of the influenza A(H1N1) 2009 pandemic in the Asia-Pacific region, March 2009 to March 2010. *Euro Surveill.* 2011;16:pii:19770.
31. Ison MG. Epidemiology, prevention, and management of influenza in patients with hematologic malignancy. *Infect Disord Drug Targets.* 2011;11:34–9.
32. Chemaly RF, Ghosh S, Bodey GP, Rohatgi N, Safdar A, Keating MJ, et al. Respiratory viral infections in adults with hematologic malignancies and human stem cell transplantation recipients: a retrospective study at a major cancer center. *Medicine (Baltimore).* 2006;85:278–87. doi:10.1097/01.md.0000232560.22098.4e
33. Louie JK, Acosta M, Winter K, Jean C, Gavali S, Schechter R; California Pandemic (H1N1) Working Group. Factors associated with death or hospitalization due to pandemic 2009 influenza A(H1N1) infection in California. *JAMA.* 2009;302:1896–902. doi:10.1001/jama.2009.1583
34. Maines TR, Jayaraman A, Belser JA, Wadford DA, Pappas C, Zeng H, et al. Transmission and pathogenesis of swine-origin 2009 A (H1N1) influenza viruses in ferrets and mice. *Science.* 2009;325:484–7.
35. Donaldson LJ, Rutter PD, Ellis BM, Greaves FE, Mytton OT, Pebody RG, et al. Mortality from pandemic A/H1N1 2009 influenza in England: public health surveillance study. *BMJ.* 2009;339:b5213. doi:10.1136/bmj.b5213
36. ANZIC Influenza Investigators, Webb SA, Pettilä V, Seppelt I, Bellomo R, Bailey M, Cooper DJ, et al. Critical care services and 2009 H1N1 influenza in Australia and New Zealand. *N Engl J Med.* 2009;361:1925–34. doi:10.1056/NEJMoa0908481
37. Zarychanski R, Stuart TL, Kumar A, Doucette S, Elliott L, Kettner J, et al. Correlates of severe disease in patients with 2009 pandemic influenza (H1N1) virus infection. *CMAJ.* 2010;182:257–64. doi:10.1503/cmaj.091884
38. Brun-Buisson C, Minelli C, Bertolini G, Brazzi L, Pimentel J, Lewandowski K, et al.; ALIVE Study Group. Epidemiology and outcome of acute lung injury in European intensive care units. Results from the ALIVE study. *Intensive Care Med.* 2004;30:51–61. doi:10.1007/s00134-003-2136-x
39. Harvala H, Gunson R, Simmonds P, Hardie A, Bennett S, Scott F, et al. The emergence of oseltamivir-resistant pandemic influenza A (H1N1) 2009 virus amongst hospitalised immunocompromised patients in Scotland, November–December, 2009. *Euro Surveill.* 2010;15:pii:19536.

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## etymologia

### *Plasmodium knowlesi* [plaz-mo'de-əm no-le-se]

From the Greek, *plasma*, anything formed or molded, and Robert Knowles, a physician with the Indian Medical Service, credited with discovery of the organism. Knowles himself attributed the finding of *P. knowlesi* to 2 colleagues (L.E. Napier and H.G.M. Campbell) at the School of Tropical Medicine and Hygiene in Calcutta who found the protozoan while investigating kala-azar transmission. “Knowing that we should be interested in the strain from a protozoological point of view,” Knowles wrote, “[Napier] handed over the original monkey to my assistant, Dr. B.M. Das Gupta.” Das Gupta maintained the strain in monkeys until he and Knowles were able to carry out human infection experiments, which they reported in 1932.

**Sources:** Centers for Disease Control and Prevention. The history of malaria, an ancient disease [cited 2011 Jul 22]. <http://www.cdc.gov/malaria/about/history>; Dorland's illustrated medical dictionary. 31st ed. Philadelphia: Saunders; 2007; Knowles R. Monkey malaria. *BMJ.* 1935;2:1020. doi:10.1136/bmj.2.3907.1020; Knowles R, Das Gupta BM. A study of monkey-malaria, and its experimental transmission to man. *Ind Med Gaz.* 1932;67:301–21.

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DOI: <http://dx.doi.org/10.3201/eid1710.ET1710>